

Design of microwave antenna system on planar Yagi-Uda elements and microstrip coupler

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Abstract

© Published under licence by IOP Publishing Ltd. Paper presents results of calculation, electromagnetic modelling and measurements of manufactured antenna system on planar Yagi-Uda elements and microstrip coupler. System has summary and subtract modes. Center frequency of system is 1532 MHz with 96 MHz bandwidth. Gain of system is 8 dB in main lobe direction (in-phase mode) and 5 dB (antiphase mode).

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